



# **BADGER STATE** **Smoke Signals**



**Serving Amateur Radio in Wisconsin**

**Published Monthly Since 1969**

Vol. 16 No. 9 - 189th Consecutive Monthly Issue - Baraboo, Wis. - September 1985



Al Hovey, WA9BZW, worked John-David Bartoe, operating WØRE aboard the Space Shuttle Challenger, on Saturday, August 3. Al, shown here with his daughters Carrie and Gwen, appears to be the first Wisconsin Amateur to work a Shuttle station, and very likely the first mobile to do it. His story is in this issue, along with more on the Hams on Challenger and the Hams in Wisconsin. Thanks to the Green Bay Press-Gazette for the photo.

Badger State Smoke Signals supports: The American Radio Relay League (ARRL) - The Wisconsin Nets Association (WNA) - The Wisconsin Association of Repeaters (WAR) - The Amateur Radio News Service (ARNS) - The Courage Handi-Ham System - The Morse Telegraph Club - GEARVAKf (The 'f' is silent)



Badger State Smoke Signals

## Officers:

Ken Ebnetter, K9EN, Chairman  
 Jim Romelfanger, K9ZZ, Editor  
 Jim Decker, WB9UQT, Treasurer

Send editorial material and  
 exchange papers to:

Jim Romelfanger, K9ZZ, Editor  
 301 1/2 7th St.  
 Baraboo, Wisconsin 53913

## Subscriptions:

1 yr. \$ 7.00  
 2 yr. 13.00  
 3 yr. 19.00

to:

Badger State Smoke Signals  
 Jim Decker, WB9UQT, Treasurer  
 P.O. Box 337  
 Baraboo, Wisconsin 53913-0337

Send address corrections and  
 changes to:

Kenneth A. Ebnetter, K9EN  
 822 Wauona Trail  
 Portage, Wisconsin 53901

Permission is granted to re-  
 print items from BSSS provid-  
 ing credit is given to the  
 author and Badger State Smoke  
 Signals.

SWAPFESTS AND OTHER SOCIAL EVENTS

WNA PICNIC - SEPT. 14, 1985 - see flyer

W9DXCC -- The Northern Illinois DX Association once again invites all Amateurs with an interest in DX to attend the annual W9DXCC DX Convention on Saturday, September 21, 1985. The location will again be the Holiday Inn in Glen Ellyn, Illinois. The Glen Ellyn Holiday Inn is centrally located in the Chicago western suburbs, is easily accessible, and will have rooms available for overnight guests. Registration: Early Bird (by Sept. 14th): \$20.00. \$23.00 thereafter. Banquet registration for the non-Ham spouse/guest is only \$16.50. Send registration to: Howie Huntington, K9KM, 65 South Burr Oak Drive, Lake Zurich, Illinois 60047.

The PEORIA SUPERFEST, sponsored by the Peoria Area ARC, will be held on Sept. 21 and 22, 1985.

RADIO EXPO 85: September 28th & 29th. Sponsored by The Chicago FM Club at the Lake County Fairgrounds, Rts. 45 & 120, Grayslake, IL. Flea Market open 6AM - 6PM. Exhibits open 9AM - 4PM. Advance tickets - \$3.00 for both days. Tables - \$5.00 each day. Electricity avail-

able at \$3.00 per day. CFMC, PO Box 1502 Evanston, IL 60204 (with SASE).

1985 ARRL NATIONAL CONVENTION -- October 4, 5, & 6. -- Louisville, Kentucky. See August issue of QST for full details.

KMRA ANNUAL HAM, COMPUTER, AND VIDEO FEST Sunday, October 13, 1985 At the Waukesha Exposition Center, Waukesha, WI. SASE to KMRA, P.O. Box 411, Waukesha, WI 53187

LATE FALL HAMFEST: November 3, 1985 at the Lake County Fairgrounds, Grayslake, IL. SASE to CAP, 637 Emerald St., Mundelein, IL 60060.

The Milwaukee Repeater Club is proud to sponsor the "6.91 Friendly Fest" on Sunday, November 24, 1985, at Serb Hall, 51st and Oklahoma, Milwaukee, WI. Gather up your swapfest bargains and partake of that famous Milwaukee food, beverages (including beer) and bowling (12 lanes). Tickets are just \$3 at the door, four foot tables for \$4. Save \$1 per ticket or table - send SASE with payment to The Milwaukee Repeater Club, P.O. Box 2123, Milwaukee, WI 53201 before November 11th. Talk-in on 146.31/91 ("The Friendly One") and 146.52, advance info available from the above address.

As many of you know, the Arlington Park Race Track was destroyed in a fire recently. The race track had been the site of the very popular Wheaton Hamfest held every winter. The following was copied from a packet radio bulletin board:

From: KD9U To: ALL

1986 Wheaton Hamfest information:

February 2, 1986  
 Odeum Expo Center  
 Villa Park, Illinois

Size of the facility is comparable to the Arlington Race Track. This information is from Mac, N9DUW, President, Wheaton Club.

The 1986 South Milwaukee Swapfest will be held on July 12, 1986. (We hope this early information will help avoid having 3 section swapfests on the same day next year.)

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901.

In addition, space is available at attractive rates on our advertising pages, and/or we can include your flyers. For information on rates and requirements for our advertising pages, and/or for including flyers, please contact K9ZZ or K9EN.

### CLUB MEETINGS:

#### Central Wisconsin Radio Amateurs, Ltd. (Stevens Point)

Regular club meetings are held on the second Wednesday of the month.

#### Four Lakes A.R.C. (Madison WI)

RED CROSS BUILDING, 4860 Sheboygan Ave, Madison, WI., first and third Tuesdays each month.

#### Kettle Moraine Radio Amateurs:

All meetings are held on the SECOND (2nd) Friday of each month.

#### Manitowoc County Radio Amateurs

MANCORAD meets on the third Wednesday of the month at 7:30 p.m. at Manitowoc Red Cross at 20th and Washington Streets in Manitowoc WI.

#### Milwaukee Radio Amateurs Club:

All regular meetings of MRAC scheduled for 1985 at Wauwatosa Savings and Loan Building, 7500 West State Street, will be held on the second Thursday of the month.

1985 meetings will be Sep. 12 (CCD cameras with Ron Yokes, Regional Sales Representative for RCA), Oct. 10, and Nov. 14.

#### Riverland Amateur Radio Club

Regular meetings are held at 7:30 P.M., on the first Wednesday of each month in the Onalaska Community Center in Onalaska, WI.

#### South Milwaukee Amateur Radio Club

Meetings held at Legion Post 434, Shepard Ave., Oak Creek, on first Wednesday of the month. Auctions held at March and October meetings.

#### West Allis Radio Amateurs Club

Regular meetings are held on the second Tuesday of each month at St. Francis Savings, 9330 W. Greenfield Ave., at 8:00 P.M.

#### The Wisconsin Valley Radio Association (Wausau)

Holds regular monthly meetings on the first Tuesday of the month at 7:30 p.m. The location varies, but information is available on the 146.04/64 repeater in Wausau.

#### Yellow Thunder Amateur Radio Club: (Baraboo, WI)

All regular meetings of YTARC are held in room 30 of the Baraboo Civic Center. (Except for Monday meetings, which will be in room 25.) Meetings start at 7:30 P.M.

The meeting dates for 1985 are: Sep. 16 (room 25), Oct. 15, Nov. 13, & Dec. 12.

Let us know of your club meeting dates, and we will let others know of your meetings and activities. There may be Amateurs in your area interested in joining your club, or members of other clubs interested in making an interclub visit.

#### MISCELLANEOUS MISCELLANEOUS MISCELLANEOUS Oh what the heck -- items of interest:

#### Central Wisconsin Radio Amateurs Ltd. (Stevens Point)

##### WATTS SNOW

The 1986 Swapfest/Family Picnic will be held on June 15, 1986.

#### Four Lakes Amateur Radio Club THE FEEDLINE

Art, W9ZM, received the last QSL that he needed to complete 5BDXCC for two modes, Phone and CW. The card that he got was the XF4 on 40 meters. CONGRATS!

#### Milwaukee Radio Amateurs Club HAMATEUR CHATTER

WITH DEEP REGRET we must report the passing of Pasquale Eannelli, W9GTB, a Life Member of MRAC and one of our real old timers, on July 9, 1985

#### South Milwaukee ARC

The date for our 1986 Swapfest is July 12, 1986.

#### Tri-County Amateur Radio Club

Paul Marowsky, N9E0Z, will receive this year's scholarship. Congratulations Paul!

#### West Allis Radio Amateurs Club HANTRIX

Copies of the Handbook, Understanding Amateur Radio and Tune in the World have been obtained and donated to the Hales Corners Public Library.

Our thanks to the above mentioned clubs and their bulletins for the information presented. Badger State Smoke Signals will be pleased to exchange bulletins and information with your club. Please contact K9ZZ or K9EN.

DON'T FORGET - WNA PICNIC - SEPT. 14

THE TEST POINT

The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area.

September 9, 1985 Rice Lake WI  
 September 14, 1984 Milwaukee, WI  
 September 14, 1985 Merrifield, MN  
 September 15, 1985 Rock Island, IL  
 September 28, 1985 Madison, WI  
 October 12, 1985 Milwaukee, WI  
 October 19, 1985 Milwaukee, WI  
 October 19, 1985 Minneapolis, MN  
 November 2, 1985 Stevens Point, WI  
 November 9, 1985 Milwaukee, WI  
 December 14, 1985 Milwaukee, WI

General rules for all examinations:

All examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs may permit walkins. Check with sponsor to find out if they allow walkins.)

To register for these examinations, you must first secure a copy of the current FCC Form 610 (the one dated June 1984) and fill it out completely (AND CORRECTLY). Get your form from the FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 22¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group. Remember-- you must file at least 30 days in advance unless otherwise indicated.

ARRL/VEC examinations require a check for \$4.00 payable to ARRL/VEC.

Additional information is given below.

September 9, 1985 Rice Lake WI  
 Barron County ARES (Walkins accepted.)  
 Contact: Michael A. Persson W9MP  
 927 CTH M  
 Chetek WI 54728

October 19, 1985 Minneapolis, MN  
 Contact: Minneapolis Radio Club  
 Tony Becker, AEØM  
 3638 Pleasant Ave., S.  
 Minneapolis, MN 55409

September 14, 1985 Merrifield, MN  
 Contact: Paul Bunyan Wireless Assn.  
 Dave Neiman  
 Box 132  
 Merrifield, MN 56465

September 28, 1985 Madison, WI

ARRL/VEC -- Talk in frequency is on 146.16/76 repeater.

Contact: Four Lakes Amateur Radio Club  
 Gary Lincoln  
 6015 Winnequah Rd.  
 Monona, WI 53716.

October 19, 1985 Milwaukee, WI

Milwaukee Radio Amateurs Club - VEC

9:00 a.m. in room 256 at the Wauwatosa East High School, 74th and Milwaukee Ave. Use the East (74th Street) entrance.

File on a Postal System post card (14¢) mailed to:

The Milwaukee Radio Amateurs' Club, Inc  
 N50 W16328 Pin Oak Court  
 Menomonee Falls, WI 53012

PLEASE PRINT listing the grade of license you are applying for, your name, address, including Zip Code and your telephone number.

The Milwaukee Radio Amateurs Club (MRAC) is now an active VEC for the ninth call area and they invite Amateurs interested in serving as Volunteer Examiners to contact them at the above address.

The Milwaukee Volunteer Core Group (DeVry VEC) will be giving Amateur Radio exams in the Service Occupation Building, rooms S0208 and S0209 at the Waukesha County Technical Institute. The exams will begin at 9:00 a.m. Walkins are welcome.

September 14  
 October 12  
 November 9  
 December 14

If you are interested, please send a POST CARD with your NAME, ADDRESS, TELEPHONE NUMBER, and the DATE on which you wish to be tested, and the GRADE of license you wish to be examined for to:

Syl Janczak WD9JKZ  
 3127A West Madison  
 Milwaukee WI 53215

Exams for shutins are given by appointment only.

WNA PICNIC - SATURDAY, SEPT. 14  
 SHAWANO COUNTY PARK - SEE FLYER

November 2, 1985 Stevens Point, WI

ARRL/VEC -- Central Wisconsin Radio  
Amateurs, Ltd.

Contact: Joe Larson, N9JW  
644 Portage St.  
Stevens Point, WI 54481

(Examination site: Blue Top Motel,  
Stevens Point.)

-----  
This section of Badger State Smoke  
Signals is available to publicize your  
Volunteer Examiner Amateur Radio  
license examination schedules.

Please send us your schedules of dates,  
times, and locations that you will be  
conducting examinations and we will  
include the information here. Be sure  
to include contact address and any  
other necessary requirements. Informa-  
tion should be sent to K9EN or K9ZZ at  
the address shown on page 2.

-----  
**WANT ADS**

**FOR SALE:** SWAN 500, 117xc Power  
supply, Astatic PTT hand mike. Near  
mint, original box, original manual,  
original owner. \$285.00. Army BC-221  
frequency meter, best reasonable offer.  
Harry Westlund, K9EHJ, 720 Jefferson,  
Baraboo, WI. 53901 or phone (608) 356-  
6836 evenings.

Your ad can run here...For a mere fifty  
cents a line, you, too, can advertise  
in Badger State! Send your copy and  
humble remittance to Keeper of the  
Funds, Jim Decker, WB9UQT, P.O. Box  
337, Baraboo, Wisconsin 53913-0337

-----  
**FAMOUS LAST WORDS --  
ALUMINUM DOESN'T RUST**

-----  
Fred Linn W9NZF  
-----

(From WNA Bulletin, June, 1980)

Having been directly and personal-  
ly involved with antennas and their  
various supports for 40-some years, I  
have grown to respect the corrosive  
ability of Mother Nature's "clean air"  
when working on exposed metal surfaces.  
All that is necessary to complete the  
electrolytic composition of the average  
city's atmosphere is a bit of moisture.

Starting with corroded antenna  
wire (which began life as a bright,  
shiny conductor), through my 3 element,

10 meter beam (which had to be cut  
apart when I moved), to the neighbor's  
TV tower which couldn't have fallen  
across my garage "Because it's aluminum  
and can't rust", I have painfully amas-  
sed a small mountain of bitter experi-  
ence.

The maintenance of steel towers is  
all too familiar to bear repeating  
here, but Aluminum - Hah! There's the  
stuff.. It can't rust, doesn't need  
paint, won't turn the house siding red,  
and will stand up, ad infinitum. But  
will it? Maybe we should examine this  
neat concept to see exactly how your  
100 footer will perform in that 60 mph  
wind, 10 years after you have put it  
up.

Aluminum is corrosion resistant,  
and requires no extra protective coat-  
ing under most service conditions,  
because an oxide skin quickly forms on  
clean metal surfaces laid bare by abra-  
sion or polishing. Only under severe  
conditions, such as exposure to alkali-  
es, which destroy this coating, does  
aluminum require surface protection,  
and aluminum readily accepts a wide  
variety of such coatings.

On the other hand, aluminum is  
very susceptible to galvanic (or sacrifi-  
cial) corrosion. Direct contact with  
metals, lower on the electromotive  
series, will cause severe corrosion to  
the aluminum surface in the presence of  
an electrolyte. Normal moist air is  
electrolytic.. it doesn't have to be a  
moist sea breeze.. it will cause corro-  
sion due to battery action.

Structural components such as  
nuts, bolts, washers, clamps, straps,  
etc., made from steel, lead, copper,  
brass, silver (whew!), or nickel, for  
example, cause corrosion at the contact  
area. Whenever such metals are used in  
construction, insulate the aluminum  
with paint, epoxy, tape, or plastic, at  
the dissimilar metal point.

A little thoughtful engineering on  
the ground will save an awful lot of  
trouble in the air. It may also save  
you a great deal of legal trouble and  
liability problems in this day of ever  
ready law suits, petitions, and other  
lawyer-related hassles, if your cor-  
roded aluminum tower fails.

-----  
IT'S A GOOD IDEA --- Check expiration  
date on your license. If you mail in a  
renewal before the expiration date, all  
is OK. If you mail after the expira-  
tion date, you are legally "off the  
air" until your renewal arrives.

WNA PICNIC - SATURDAY, SEPT. 14

## CHALLENGING CHALLENGER — WA9BZW WORKS SHUTTLE FROM MOBILE RIG

By Al Hovey, WA9BZW  
314 Fairview Way  
Shawano WI

(Editor's note: Al worked the Space Shuttle Challenger from his mobile. We thought it best if he told you the story in his own words. Here 'tis.)

Thursday, August 1, 1985, was not an ordinary day in the Ham Shack of WA9BZW in Shawano, Wisconsin.

At 2:00 p.m. CDT, several of my former students, including KA9LWN, who received his Extra at age 12, and KA9LWO, came over, as well as Civil Air Patrol cadets and several adults, including a reporter.

The HF equipment was tuned to WA3NAN on 14.295 for the Challenger-to-ground transmissions, and another HF rig was interfaced with the computer, and busy copying CW and RTTY bulletins run from W1AW.

Of course, the 2-meter equipment was tuned to the 145.55 downlink.

The first signals heard from Challenger on STS-51F was the warbling sound of SSTV on orbit 48. Ninety minutes later, we again heard it loud and clear, with the Morse code identifier "WOORE Challenger" every so often.

Friday, the same signals were heard; I even copied them in my car once, coming home from the Bonduel Corn Roast.

Some of the SSTV signals were fed into my computer, and I was able to get two somewhat recognizable images of the North American continent.

Saturday, August 3, I reluctantly had to attend a family reunion on my wife's side, but before leaving, I punched the latest Keplerian elements, as transmitted by W1AW bulletins and WA3NAN, into my computer to come up with possible times that I might hear them.

The HF rig also was mounted in the car, so I could keep tabs on the Challenger from WA3NAN.

Every 90 minutes, out to the car I went to see if anything was happening. I heard a slight bit of SSTV once.

At 8:00 p.m., we were home at my in-laws, one mile south of the Sheboygan Airport, and my slip of paper for upcoming orbit 83 of

STS-51F was circled several times as being a good pass over our area.

At 8:16 p.m. CDT, I, my daughters Gwen and Carrie, and 3 relatives were all huddled around the 2-meter rig in the car, tuned to 145.55, and all of a sudden we heard "This is WOORE, with John Bartoe operating, as Tony is busy, aboard the Challenger, and I'll be listening for 30 seconds."

I called once, no answer, called again, no answer, and finally, after the third call from my car, he acknowledged my call, as well as a Ham in Ohio.

My mobile rig has no split setup, so I was frantically switching from one VFO to another.

When the contact was made, needless to say, I almost jumped through the roof, and the people around me were also very excited. After I calmed down a little, I got on several of the area repeaters, and other people, including WB9ICH, acknowledged they had heard him give my call.

After hearing STS-9 many times, including once in my classroom on the HT, and putting a lot of effort into my application for the Teacher in Space program, those few seconds made it all worthwhile.

I just hope that many of the young people look into what Amateur Radio is all about. For me and others, what a way to fulfill leisure time activity and relax... but not Saturday, August 3, at 8:17 p.m.

Monday proved to be more taxing, by far, than a regular work day.

I was on 6 radio talk shows from two to fifteen minutes in length, two TV interviews at my home, wire services, and almost every paper in Wisconsin, as well as making UPI's "People in the News" on Tuesday, August 6.

Amateur Radio is, I hope, a more common word because of my accomplishment.

### TWO FIRSTS!

Al's two-way two-meter FM QSO with WOORE/Challenger appears to be:

(1) The first QSO with a Shuttle by a Wisconsin Amateur, and

(2) The first QSO with a Shuttle from a mobile station.

Several other Wisconsin Amateurs also worked WOORE/Challenger, and you'll find their stories elsewhere in this issue. k9zz.

## MORE SHUTTLE STUFF

From Your Honorable Editor - K9ZZ

Al, WA9BZW, sent along a list of most of the media contacts he had following his QSO with WOORE aboard the Challenger. He says it was a harder day than the ones he spends teaching at Franklin Middle School. We thought you might enjoy seeing what a non typical day in the life of a teacher can be like when sudden fame strikes:

Associated Press and United Press International (AP and UPI): Almost all papers in the state, and I was told even mentioned on "Good Morning America" but I didn't hear it.

WTCH - Shawano - Telephone interview, and then announced that it made UPI "People in the News" (a UPI feature-k9zz) on Tuesday.

WFRV-TV, Channel 5, and WLUK-TV, Channel 11, both Green Bay.

WQFM - Live interview for Milwaukee over phone - about 5 minutes.

WTMJ - Milwaukee - Phone interview.

WBCS - Milwaukee - Talk show - about 20 minutes.

WHBY - Recorded for news.

WRIG-WDUZ - Wausau - Green Bay - 10 minute phone interview.

Al's QSO was the lead story - front page, first story - in the Shawano Evening Leader, and he made that same paper the two preceding days on page one, too. (Also?)

Other Wisconsin Hams working the Challenger on this mission (STS 51-F) were a family near Hayward, Bob (N9EGE) and Marlene (N9ETE) Young (mom and dad) and son Tom, KD9FC, and AJ9U, Milwaukee. These four QSOs took place on the same orbit, at around 5:20 p.m. on August 4, 1985. Al's contact was August 3.

We understand that NASA may (and we emphasize MAY) make Amateur Radio a part of every shuttle mission. When this might happen is unknown, and, again, we emphasize this is only a possibility.

There seems to be some confusion about who is handling QSLs for the Shuttle flight - and contrary to what you may have heard, the QSL manager for WOORE/Challenger is indeed the ARRL, 225 Main Street, Newington CT 06111.

I'm fairly sure that NASA will consider SAREX (Shuttle Amateur Radio Experiment) a success. We hope they do, and we thank them for a rare opportunity for us to share in the space experience!  
-k9zz-

## FARA SCHOLARSHIPS AWARDED

The Foundation for Amateur Radio (FARA), Washington, D.C., has announced the winners of the 19 scholarships it administers. The single winner from Wisconsin is David J. Schmocker, KJ9L, of Oconomowoc, who received one of six Quarter Century Wireless Association (QCWA) scholarships of \$600. Badger State congratulates Mark, along with the rest of the winners across the country.

## FOR SALE

Commodore SX-64 portable computer. Built-in disk drive, color monitor, audio, keyboard, space for disk storage or addition of second drive. Some software included. Nice system for use with Packet Radio. \$525.00. Commodore MPS-803 printer, brand new, \$195.00. Package price \$680.00. (608) 356-4249.

## JOKE

You know, our Section Manager Rich Regent, K9GDF, and his YF are both Amateurs. If, by chance, they were the only Hams with whom to talk, and you talked with them for eight hours, you might become Bored of Regents? (Sorry, Rich! k9zz.)

## TRAVEL TIME

Your editor enjoyed a visit with some of the Onalaska club gang a few weeks ago, at their Swapfest. I'm not known for being on time, and this time was no exception. But I did get there in time to have a nice chat with Greg, KA9FOZ, and some of the other members. I enjoyed the visit, and I sold a Handbook, along with a copy of "101 Uses for a Dead Cat." I think Greg and I agree that the pencil sharpener is probably the most practical use for a dead feline. Greg and others were going camping in Minnesota that nite, and I'll bet the campfire chat was interesting.

I also saw two good friends - Wid, W9DM, and Knute, W9SFL. Wid has had some health problems, but that wry sense of humor is sure still there! It was good to see you all, youse guys! You may see some reruns of some classic W9DM writings here in BSSS.

I also directed my shabby 1977 Pontiac Sunbird to Green Bay for their Swapfest. A nice crowd was present, indeed. Our SM and YF were there, along with many old friends. I didn't sell anything, but I won a prize. Only clinker in the visit was a scarfed-up ankle. KA9OBP rode along, and tolerated the trip - and me - fairly well.

With this issue, a BIG welcome to WAPR!

-k9zz-



On August 7, 1985, at 7:38 p.m., the regular monthly meeting of the Riverland Amateur Radio Club was called to order by Vice-President Rick Williams.

Minutes of the July meeting were approved as read from the Badger State Smoke Signals. The treasurer's report was approved.

Repeater Committee report: Duane, W9HWQ, reported that the RTTY repeater had gotten struck by lightning and needed to be repaired, which he had completed. There were some parts that were required, so the dollar amount would come from the general fund.

37/97 report: Extensive readjustment was performed on the repeater in the last month. Van, WA9FIO, Nook, K9EGO, Gary, N9DHQ, and Ray, WA9IHM, spent time getting it adjusted. There were some items at the site that were on loan from club members, these items will be purchased over the next month so we can return them to their owners.

It was also reported that due to a change on the phone system at the station site, we can no longer call by phone patch to as large an area as we used to.

Old Business: Swapfest report was that the attendance was down by about half of what it was last year. A suggestion was made that we consider moving the date of the swapfest to another date. We are looking for suggestions from the membership, any ideas, let us know.

New Business: Van talked about Packet Radio and the Packet demonstration that

is planned for our next meeting. We will be having a special guest coming to our September meeting to show us how Packet Radio works. A complete station will be set up.

Duane, W9HWQ, had some slow scan pictures received from the Space Shuttle that he would show after the meeting for anyone who is interested.

There was a discussion on possibly purchasing the complete set of reference books from the ARRL as they are currently offering a special discount for the complete set. Due to a lack of interest on the subject, no action was taken.

It was announced that our club has become a Special Service Club and there was a recognition of thanks to Greg, KA9FOZ, on successfully completing the SSC application. There was a discussion on the route that should be taken as to the future of our swapfest. Further discussion will take place at future meetings.

Total members present was 20.  
Meeting was adjourned at 8:20 p.m.

Respectfully submitted:  
Greg A. Miller, RARC

#### ATTENDANCE

1. Greg A. Miller	KA9FOZ
2. L.F. Bentzen	K9EGO
3. Gary Mattie	KA9RQY
4. Tom O'Brien	WB9BJQ
5. John Young	W9KAZ
6. Feroz Ghouse	4S7FG
7. Jeff Fancher	N9BRA
8. Herman J. Ludvik	W9HJV
9. Van Elston	WA9FIO
10. Hugh Barker	KA0EJZ
11. Ron Reed	KD9OY
12. Dallas C. Miller	K9LEC
13. Bill Winder	K9EGQ
14. Gary Countryman	KA9NDF
15. Rick Williams	KV9U
16. Duane Fruechte	W9HWQ
17. Gary L. Webb	N9DHQ
18. Al Skwiercz	W9QHN
19. Charlie Burch	
20. Arthur M. Osbourn	W0JDC
21. Bernard C. Jeffries (Guest)	KA9NUR
22. Alcee Jumonville (Guest)	



## YELLOW THUNDER AMATEUR RADIO CLUB

The August 15, 1985 meeting of the Yellow Thunder Amateur Radio Club, Inc. was called to order in room 30 of the Baraboo Civic Center by President Art Kleefisch, W9WSS.

The following members and guests were present:

Art Kleefisch, W9WSS	Baraboo
Duane Grotophorst, KA9HKL	Sauk City
Ken Ebnetter, K9EN	Portage
Jim Decker, WB9UQT	Baraboo
Harry Mayland, K9FFT	Baraboo
Maurey Gurgel, KA9TBU	Reedsburg
Paul Amend, KA9QBP	Portage
Harry Westlund, K9EHJ	Baraboo
Jim Romelfanger, K9ZZ	Baraboo

The minutes of the previous meeting were approved as printed in BSSS. The Treasurers report showing a balance of \$174.32 in the operating account, \$13.37 in the general reserve account, and \$180.00 in the equipment reserve account for a total of \$367.69 in all accounts was presented by Treasurer, Jim Decker, WB9UQT and accepted.

Communications and announcements: Ken, K9EN read a few items from the ARRL Letter and Westlink Report.

No old business.

New Business: No formal business.

There was discussion of several items: Fall meeting programs; Fall fish fry; Book donations; Having the club purchase test equipment for loaning to members (dummy load, swr meter, power meter, noise bridge, counter, scope, DVM, etc.); Club ownership of a Novice station for loaning to new Hams. No action was taken at the meeting on these items.

Art mentioned that nomination and election of officers for 1986 will be coming up shortly.

Buck Night: \$3.00 this time. We again used Art's programable calculator to select the lucky winner, Jeremy Night, WB9NVI, who was not present, so next months prize will be \$4.00.

The meeting was adjourned by President Art Kleefisch, W9WSS.

Respectfully submitted,  
Ken Ebnetter, K9EN, Secretary.

Traffic jams are our afternoon spread, after having made our daily bread.

## YTARC BIRTHDAZE:

September is a big month for YTARC member celebrations. Happy Birthday from the club to the following:

Jerney Night, WB9NVI	Sept. 10	Seattle, WA
John Hansel, WB9TIG	Sept. 16	Baraboo
George Halper, W9SUF	Sept. 16	West Allis
Norman Gade, K9ELK	Sept. 22	Reedsburg
Gordon Grant, W9ULM	Sept. 23	Oxford

## SENTENCE SERMON:

We may not always be masters of our work, but we can at least master the spirit in which we do it.

--Hugh Black

## ANOTHER NEW PRODUCT FROM GLITCH, INC.

(From GEARVAKf Bulletin, Spring, 1985)

Glitch Electronics, Inc., of Central Garage, Virginia, has proudly announced the newest member of their product line, the Ostrich 24680 All-Band All-Mode HF-to-Microwave Transceiver and Vacuum Cleaner.

The Ostrich line is well known to Ham Radio enthusiasts, with dozens of sales in the last 40 years. And the new 24680 is a gem which should outdo all its predecessors, according to Mr. Giles Gump, Glitch's President and Chief Sanitation Engineer.

The 24680 works on AM, FM, SSB, CW, ASCII, and Baudot on every Amateur frequency (and a few others) from 160 meters up, and when tuned up on 2450 MHz, makes a mean grilled cheese sandwich.

As a vacuum cleaner, its performance is excellent and, with absolutely no attention, it will keep your shack spotless and free of such detritus as small screws, washers, transistors, etc., especially while you are working on a kit or homebrew project.

GEARVAKf is pleased to have been selected to receive one of the first 24680s for testing in return for our promise of an excellent review. We therefore recommend that you try one of these fine radios in your shack - or kitchen - right away.

-NBCOW

SATURDAY SEPT. 14 - WNA PICNIC  
SHAWAND COUNTY PARK - SEE FLYER

## WISCONSIN NETS ASSOCIATION LTD.

## WISCONSIN NETS

NET	WNA	FREQ	UTC	CDT	MANAGER
BWN	YES	3984	1100Z	0600	WD9IID
BEN	YES	3985	1700Z	1200	WB9ESM
WSBN	YES	3985	2230Z	1730	WA9ZTY
WNN	YES	3723	2300Z	1800	KA9QBP
WSSN	YES	3645	2330Z	1830	N9BDL
WIN-E	YES	3662	0000Z	1900	WB9ICH
WIN-L	YES	3662	0300Z	2200	KC9CJ
NWTN	YES	34/94	2330Z	1830	W9JSF
WCWTN	YES	31/91	2330Z	1830	N9DHT
GR.BAY	NO	72/12	0145Z	2045	WB9NRK
			THU	WED	
WRN	NO	3625	2300Z	1800	K9UTQ
	RTTY		Mon. Wed. Fri.	UTC	
			Sun. Tue. Thu.	Local time	

SECTION MANAGER'S NOTES  
JULY 1985

Richard Regent, K9GDF  
SM Wisconsin  
5003 South 26th Street  
Milwaukee WI 53221

Two-way contact with W0DRE Space Shuttle Astronauts was made August 3rd by Al Hovey, WA9BZW, while he was mobile in Sheboygan County. Al, using 40 watts and a 5/8 vertical, may be first Wisconsin Amateur and first mobile operator to contact an Astronaut.

On August 4th, contact with W0DRE was made by members of the Young family, Dad N9EGE, Mom N9ETE, and Son KD9FC (of the Hayward area), using 100 watts and a beam. N9ETE, in particular, got a "loud and clear" report from space and she might be the first Wisconsin woman Ham to contact an Astronaut.

Excited AJ9U in Milwaukee, with 45 watts and a beam, made contact on that same orbit.

Thanks to PIO K9ZZ for getting the news of the astronaut contacts into many newspapers, including the Milwaukee Sentinel, and to the club newsletters.

BM WB9JSW, busy organizing OBS activities, is looking for RTTY or computer capable Amateurs.

Welcome to the Wisconsin Amateur Packet Radio (WAPR), formed with 43 Amateurs attending the first meeting in South Milwaukee; contact WD9ESH for more information.

KMRA Ham, Computer and Video Fest, is October 13th at Waukesha Exposition Center.

If you are interested in computers, listen to the Computer Net on Milwaukee 146.91 MHz, Mondays at 9 p.m.

Simulated Emergency Test (SET), October 19-20, check with your EC, DEC or SEC for duties.

Milwaukee Circus Parade and railroad train support was a tremendous success with help from Milwaukee ARES communicators. EC WB9SMM would like ideas for special calls or QSLs for Circus Train next year. The group is now preparing for Pumpkin Patrol.

DEC NB9H needs ECs for Ashland, Bayfield, Burnett, Pepin, Polk and Rusk counties.

N9ECE is now an OO; OOC NC9G is looking for more OOs.

NM W9JSF says "This months NWTN checkins and traffic was best it has been all year and beat last year." For a local 2-meter net, the support is great Carl.

Milwaukee RAC License Classes doing well.

For information about Society of Midwest Contesters write to Wisconsin Chairman W9XT.

Silent Keys W9DYB and W9GTR.

WA9OVU received Extra and has 290 DXCC.

Putting off tough jobs makes them harder.

9RN CYCLE 4 REPORT JULY 1985 QNI 389 QTC 710 QTR 1089 IN 62 SESSIONS WISCONSIN 77 PERCENT STATIONS N9AUG W9CBE KC9CJ W9DND K9GDF WB9ICH KA9QBP AND W9YCV X 73 - PEGGY W9JUJ NM.

D9RN REPORT JULY 1985 X 503 MES- SAGES IN 1054 MINUTES WISCONSIN 90 PERCENT STATIONS AS FOLLOWS N9BGE W9CBE W9IEM W9ODV WA9WYS N9EAX KA9CPA KC9CJ WB9JBF WD9FRI X 73 - DALE WA4JTE NM.

CAND REPORT JULY 1985 X 1319 MESSAGES IN 31 SESSIONS X D9RN REP 100 PERCENT X STATIONS PARTICIPATING W9IEM W9CBE WD9FRI N9BGE KC9CJ W9BJF N9EAX X 73 - JERRY W5KLV NM.

Winery washroom sign: "Employees must wash feet before leaving"

## AFFILIATED CLUB COORDINATOR REPORT

-----  
 Greg A. Miller, KA9FQZ, ACC  
 2522 Wood Street  
 La Crosse WI 54601  
 -----

Congratulations to the Riverland ARC and the Ozaukee RC on becoming Special Service Clubs. This is a great honor that both can be very proud of.

The RARC is located in the La Crosse area. It originally started as the Onalaska Area Amateur Radio Club in 1971, with a total of 9 members. It has steadily grown to its present membership of 76. Meetings are held regularly on the first Wednesday of the month at the Onalaska Community Center.

The club sponsors two repeaters, voice and RTTY. Members are active in the local ARES, sponsors an annual Swapfest, and conducts test and training sessions.

The Ozaukee RC, which also boasts 76 members, has such a wide variety of interesting people as its members, that it can only result in the many interesting programs that they plan throughout the year.

The members are active in the Parade of Festivals in Milwaukee, as well as other events that are held throughout the outlying counties. They sponsor a local repeater, a yearly Swapfest, training sessions, and are active in the VE program. Their club meetings are held on the second Wednesday of the month at the Saukville Community Center.

Congratulations to both clubs, and good luck in the future on their continued success. Along with the Four Lakes Amateur Radio Club and the Green Bay Mike and Key Club, this brings to a total of four of the clubs in the Wisconsin Section that are SSCs.

With some 40 clubs, and a variety of activities throughout the state of Wisconsin, there probably are more clubs that meet the requirements of Special Service Club. Each club should choose a club representative who can go back over the last years' activities, and see if what they have already done meets the requirements.

If everything looks good, give me a call or send a letter so we can get together and complete an application.

For your convenience, I am printing the requirements here. Check them over and give me a call.

1. Maintain affiliation with the ARRL.
2. Establish a program in at least one area within each major category. They are:
  - A. Public relations.
  - B. Emergency communications.
  - C. Training.
  - D. Technical advancement.
  - E. And at least three other activities that are agreed upon between the club, the League, and the ACC.
3. Regularly report to the League and ACC on your activities.
4. Upgrade Amateur Radio in your community.
5. Select a member who will act as ARRL Liaison Officer.
6. Set up a program to encourage members to join the ARRL.

This is a generalization of the requirements, so get in touch with me for the complete list.

73, Greg.

## NORTHWOODS TRAFFIC NET (NWTN) REPORT

-----  
 Carl J. Lindstrom, W9JSF  
 Net Manager  
 110 Woodland Heights Manor  
 Rhinelander WI 54501  
 -----

Since last March, when we made our last report in BSSS, things have been humming on the Northwoods Traffic Net (and I'm not referring to the humming birds.)

Just to make certain there's no mistake, I want to let editors and readers of BSSS know that we think this is without a doubt the finest statewide Ham publication going, and we are very happy to report to you on the happenings and progress of our fine net in its pages.

We are sorry that we must report that one of our valued net members has become a Silent Key. Just as we were starting the net, on the evening of June 4th, we received the sad news that Barbara, N9CUS, had answered the heavenly summons. We, and I am sure you, wish to express our sincere

sympathy to members of the family, and especially to Kip, KA9BHM. We will sorely miss Barbara.

During the months of April, through June 30th, we have experienced a commendable and steady increase in the number of checkins and the amount of traffic cleared. For that period, we had 1317 checkins, and cleared 218 pieces of traffic. This was an increase of 124 checkins and we were up 70 pieces of traffic over that same period last year. BRAVO!

In July, we topped all that, as on the 31st, we reported a total of 544 checkins and 84 messages cleared.

Now, all of this results from real teamwork, and an unusual amount of individual effort. After all... this is a local net. My hat is off to every single net member, and to each of our fine net control stations: KA9UER, W9ZZM, K9BTP, KA9BHK, KA9BHL, K9RMN, N9BDL, W9LDQ, and I'll even include W9JSF. Lady... and gentlemen... take a bow.

We want to thank all those vacationing Hams who, I am sure, made their northwood holidays even more enjoyable by checking into the NWTN at every opportunity. Guys and gals... it was great having you with us, and we encourage everyone who visits this great vacationland to make NWTN a habit when you are in the area. We love to have company on our net.

One of the nicest experiences we have is to welcome new net members. Since our last report through BSSS, we have two more: Robert Berger, KA9TCD, and Mary Schram, KA9TCE. We now number 34 certificated members.

We also want to congratulate Bob and Mary, as well as Len, K9RMN, Lee, N9BDL, and Bill, NF9A, on upgrading their licenses. Kudos also for KY9R, AA9Y, and KX9Z, who supervised and successfully gave the exams. All are fine NWTN members.

To Jim, K9ZZ, editor par excellence: I ain't got no computer. I ain't got no modem. All I got is this here old Corona. SORRI!!

73, Carl

#### WAUPACA'S WONDER - THE N9BKJ RBBS

The N9BKJ RBBS (Radio Bulletin Board System) is operating on 7.085.0 MHz, and is available to anyone via the access code: CR //N9BKJ CR.

In addition to general mail, the SYSOP (Bob, N9BKJ) tries to keep the latest ARRL bulletins and items of general interest to all on the directory. Included are articles from Badger State Smoke Signals.

The system is on line 24 hours a day, minus time for file and equipment maintenance.

If a user is unsuccessful at access the first time, he or she should not be discouraged, as band conditions and QSB are a bit of a problem at present. If the system doesn't respond the first time, try the command a second time, perhaps try later if QSB is a problem.

The system is frequency locked on its frequency, and a user should be within 50 Hz for access and use. Periodically, a beacon is transmitted for tuning purposes. However, the beacon is only active when a control operator is present.

Bob would like to see more Wisconsin Amateurs taking advantage of the MSD (Mail Storage Operation) for general traffic, swap and sell, exchange of Amateur Radio related topics, and ARRL bulletin material.

#### NORTHWEST WISCONSIN EMERGENCY COORDINATORS NEEDED

William Maves NB9H  
Northwestern Wisconsin District  
Emergency Coordinator  
709 Bongey Drive  
Menomonie WI 54751

The following Wisconsin counties (in the northwestern portion of the state) are still without Emergency Coordinators (ECs):

Ashland, Bayfield, Burnett, Pepin, Polk, and Rusk.

Anyone who may be interested may contact Bill at his address above.

#### SOME THOUGHTS ON CONTESTING

By Steve Dubberstein NA9D  
(ex-WB9PYE)  
812 Larsen Avenue  
Streamwood IL 60103

Some people race cars. Some race radios. Such is the plight of the Amateur Radio contester.



There are a few essential differences between auto racing and contesting, however.

Auto racing requires a fast car, a good driver, and a racetrack. Contesting requires a rig, an operator, and a contest to participate in.

The latter items exist in almost every Ham shack. All the average Ham needs to do to "race radios" is sit in his "cockpit" and operate one of the many "races" or contests that exist.

Contesting, in general, gives an Amateur a good excuse to build the best station possible within his means, and to learn to operate his station to the best of his ability. The ultimate test of any human activity is competition with others who enjoy similar activities, and contesting is Amateur Radio's version of human competition.

There is a lot of talk going around about drawing young people into Amateur Radio. The thrill of contesting is what drew myself to Amateur Radio at age 13, and, at 24, the thrill is no less.

As another example, take Mike Taylor, AC9C, who has won the Wisconsin QSO Party the last three years. At age 16, Mike started subscribing to QST. He ran across the results for the ARRL Novice Roundup, and was fascinated by the idea he could compete in a national event from his own house.

Mike got his Novice license, and, three months later as WD9HEY, came in second in the USA in the NR. He has been an active Amateur ever since. Young people love competition, and most of those who discover contesting in their teen years remain active Hams for many years to come.

The enthusiasm for contesting in Wisconsin is obvious when looking at the results for the Wisconsin QSO Party. This year, in state entries totalled 88 logs, incredible for a state QSO party.

This is due, in part, to the excellent job of administering the contest by the West Allis Radio Amateur Club. But, most of the credit belongs to the Amateurs of Wisconsin, who have accepted the QSO party as a true "Party on the air," and join in once a year in supporting Wisconsin Amateur Radio.

One of the most enjoyable aspects of the QSO party, and contesting in general, is competition among clubs. This has spurred activity in the QSO party for several years now. Unfortunately, until now, the area has posses-

sed no "wide area" contest club, such as those seen out east and west for competing on a national scale.

Hopefully, nine-land will now be competitive with the best big clubs in America, with the creation of the Society of Midwest Contesters.

The Society was formed in 1985, with a goal of uniting midwest contesters into a competitive group, and providing a social outlet for those interested in contesting.

The club meets in person four times a year, circulates a newsletter, and meets every Monday night at 7:00 p.m. on 3858 KHz. The Society will be entering club scores for most of the major contests, and hopefully, with the support of Hams all over nine-land, will be able to accumulate competitive club scores.

An interesting feature of the club is an internal awards system, based on the type of station a member uses, meaning "little pistols" as well as big guns will have an equal shot at an award.

Anyone who is south of a line roughly from Appleton to Reedsburg is eligible for club competition in the society, based on ARRL club competition criteria. Those north of this line are still invited to join, however, to partake in other club activities.

Dues are only \$3.00 per year, to cover mailing costs. More information is available from NA9D (address at top), or from Gary Sutcliffe, W9XT, Wisconsin Chairman, Rte. 1 Box 196, Neosho WI 53059.

Or, you may check into the net on Monday nights.

Anyone interested in midwest contesting is invited to join the Society of Midwest Contesters. Help put nine-land on the map, and be a part of one of the most exciting aspects of contesting - club competition.

-----  
There's a fellow named Bob in Sauk City who must be proud of the fact he has electricity, although it looks as though his supply might be limited. Well... why else would he put up a sign saying "Bob's Outlet - 2 Blocks?"

-----  
How about the fussy housewife who even puts newspapers under the cookoo clock!

## WISCONSIN AMATEUR PACKET RADIO

The following is excerpted from the August 1985 issue of The Wisconsin Packetter put out by W.A.P.R.

## BEACON TEXT

Well it finally happened. The first official meeting of the "Wisconsin Amateur Packet Radio Association" came to be a reality. On July 13th, 1985, we all met at the South Milwaukee (Oak Creek) Hamfest. And a good one it was. Most important, we all found out that we not only talk a lot on the terminal screen, we also talk a lot in the meeting place. Great participation came from almost everyone. North (Tomahawk & Green Bay), South (Illinois & Virginia [pure dedication]), East (Milwaukee and Racine are as far east as you can go East in Central Wis.), and West (Madison, Portage & Baraboo).

Attendees of the event were:

KB9DM	W9YBA	K4ZIV	K9EN
WB9JLN	W9TQ	KC9CI	K9IZV
WB9WRW	W9ZGS	WA9POV	WA9SOU
WA9CXG	W9BRD	WB9VCH	K9NC
WB9YLR	N9EYI	K9GDF	WA4COY
WD9JIJ	N9HR	W9YCV	KD9PR
KB9DL	N9BPD	WB9UQT	WB9OWN
KB9OK	W9IUP	WD9ESH	KN9P
W9WI	N9TD	WB9NOC	W9BTQ
WB9HCO	WD9ILG	WA9KEC	KC9BF
N9CLE	WB9SDA		

By unanimous decision it was agreed that W.A.P.R. should continue to be a viable asset to our packet radio affiliation among operators. Rather than have organizational officers, it was also agreed that W.A.P.R. should be directed by a steering committee. The following "Packet Operators" were agreed upon to constitute committee:

WB9SDA	G. Gilbertson, Rt. 1, Box 53, Brownsville, WI 53006
WA4COY	K. Moran, 145 Reilly Dr., Fond du Lac, WI 54935
W9ZGS	V. Buland, 21600 Washington St., Grayslake, IL 60030
WD9ESH	D. Boede, 570 E. Tenth St., Fond du Lac, WI 54935
N9CLE	W. Dieter, Tr. 3, Box 252, Tomahawk, WI 54487
WB9WRW	R. Armstrong, 315 Morey St., Waukesha, WI 53186
WA9SOU	J. Corstvet, P.O. Box 4007, Madison, WI 53711

Since it was decided that any "packet-news" or general info generated in the line of packet radio was considered to be important to W.A.P.R., feel free to contact anyone on this committee with items for the newsletter.

## NEWSLETTER

In our discussions of continuing the W.A.P.R. Newsletter, Ken, K9EN made a well received offer to provide up to two pages in the "Badger State Smoke Signals" paper for our future newsletters. This portion of the paper would have to be authored by our organization.

This fell in line with another suggestion that we as members could pay a nominal fee for dues to W.A.P.R., and out of those dues would be paid each member's subscription cost to the paper. The suggestion was acted on by the group, and it was decided to create a dues structure of \$7/yr. From that amount, each member's subscription to "Badger State Smoke Signals" will be paid.

Ken agreed to send all of the people on the current W.A.P.R. mailing list 3 trial copies of the paper. After the trial period, only paid members would receive the mailings. If you are already a subscriber to this paper, then your dues are only \$2.50/yr.

A good majority of the members paid their dues on the spot. However, if you had to leave early, or know of anyone that would like to become a member of W.A.P.R., you may forward your dues to WB9SDA, Gary Gilbertson, (address above) and he will follow through with your subscription to the paper. We encourage all to help provide information for the articles which will appear.

## FREQUENCY CHANGE

The other major topic covered at the South Milwaukee meeting was that of operating frequency. Going into the meeting our packet operations were spread out on different frequencies and for differing reasons. However, this will not fit the concept of digipeating.

So we made the move and decided to go to 145.01 MHz. Most of us were surprised to see how fast this was implemented. Maybe we all knew that this had to happen. All we needed was the collective push that we gave each other. I see the same calls. I see new calls. It seems to be working great and the network is growing.

## WANTED

WB9SDA is looking for interested parties to participate in a weak signal testing program using packet radio. Test objective will be to determine

present capabilities, establish a base reference and then explore new directions in signal and audio processing (FM, SSB, ACSSB, etc.).

He is also looking for persons that would like to discuss propagation studies using packet radio and the automatic recording thereof. Gary is also collecting location data on all stations. Please send him your latitude and longitude for a data base he is building for the group. Gary is also looking for Oscar 10 packet operators to set up schedules on the bird.

#### INPUT VS OUTPUT

In order to make this newsletter successful and as informative as possible to all our packet interest, we will all have to generate the articles for future editions. This can be accomplished in a variety of ways. We are in a communications hobby, lets use it. Pass any info by voice too if you wish, pass it through message boxes, or in the mail. Send it to P.O. Box 1215, Fond du Lac, WI 54935, and indicate if you want to be identified as the author or not. If you want someone else to put it to text, just send in the data and mention to have someone write it up.

THE SUCCESS OF THE NEWSLETTER IS UP TO ALL OF US, LETS PARTICIPATE.

#### SUNDRY STUFF:

Jim Romelfanger, K9ZZ, Editor

All of us here in Badger State Smoke Signals (all three of us!) send our sincere congratulations to Al Hovey, WA9BZW, Shawano, and to Tom Young, KD9FC, and his mother, Marlene, N9ETE, and his father, Bob, N9EGE, all of the Hayward area. These four fortunes all worked the Amateur station aboard the Space Shuttle Challenger, which landed in California August 6.

(Late word is that AJ9U in Milwaukee also worked Challenger.)

As you probably noted in our cover story, Al's QSO with John-David Bartoe was history-making in two ways - It was the first shuttle QSO by a Wisconsin Amateur, and almost certainly was the first Earth to Astronaut Amateur Radio contact from a mobile on the ground. The car was on the ground, but I'm sure that, after Bartoe acknowledged Al's call, Al was not on the ground for at least several hours.

Al's contact came at 8:17 p.m. on Saturday, August 3, while the Young

family's contacts came at 5:22 p.m. on Sunday, August 4.

When Owen Garriott, W5LFL, made the first Ham in Space flight aboard the Columbia in late 1983, he didn't work anyone in Wisconsin. These four contacts should make up for lost time.

Al's contact was made on an unpublished uplink frequency, while the Youngs accomplished their feat on 145.03, one of the four published uplink channels.

So far as we know, these four were the only Wisconsin shuttle contacts made during this mission. If we missed any, please let us know.

Pore ole Al was busy handling interviews from the media for a while.. the Milwaukee Sentinel and Journal (initiated by PID K9ZZ), AP, UPI, his local newspaper, one of the Shawano area radio stations, and who knows what else. The UPI stories were carried here in the Baraboo area, and looked fine. This is excellent statewide PR!

UPI also carried stories about the Youngs' contacts statewide, and they looked good too.

Again, congrats to all four of you!

A lot of groundwork goes into this spacework. Many people and many groups are involved in getting Amateur Radio into Earth orbit. Among those are ARRL, AMSAT, a number of manufacturers, and there is one guy in California who works on these projects, and who deserves - again - our gratitude. Roy Neal, K6DUE, our thanks are DUE you.. and you got 'em! And, our thanx also to NASA. We hope the experiment worked as well as they had hoped.. and maybe even better!

----

The Amateur Radio News Service (ARNS) ran a membership roster in its current issue, and I was surprised to see that I am the only ARNS member in Wisconsin!

I receive about 15 club papers from around our state. Some carry appeals for contributions from members for publication just about every month.

Now, ARNS is not designed to be a provider of current news of Amateur Radio (Westlink does that very well), but ARNS does provide club paper editors with a lot of good, useful information about many facets of producing a club paper.

The editor of the ARNS Bulletin, Andy, KONL, takes selected articles of general interest from many of the papers he gets each month, and they are usually ones of interest to the hobby in general, not only to readers in one club's area. Some of the articles are humor; a few are technical. Andy works hard each month to produce a quality publication.

New ARNS members also receive a copy of "The Club Paper," which is very useful in providing suggested methods of reproduction, sources of material, and many other parts of producing a paper for a club.

ARNS is nationwide (with a number of members around the world, too). Membership jist ain't expensive enuf for that to be a good excuse to not try ARNS membership for a year! The first years' dues are six bux (\$5.00 dues and a buck for initiation). After the first year, it's just a fin a year. Memberships expire uniformly on March 31 of each year. If you join during the period of October thru March, dues are 2.50, plus the buck initiation fee.

I encourage you to try ARNS. In some cases, clubs pay the dues for their editors, although the club does not become a member; the editor does, and memberships aren't transferable. Try it.. Send your dues to: Frances Norrick, WB9WPS, Secretary ARNS, Route 6, Box 239, Kankakee IL 60901.

----

Starting this month, Wisconsin Amateur Packet Radio officially joins these hallowed pages. Packet Radio really is a revolution in our hobby.. something new, and very, very popular.. and it is growing at orbital speed. The upcoming Packsat satellite - for Packet Radio, natch - will create even more interest. Welcome, WAPR, and we hope you like (or can forgive) the poem on the mailing cover of this issue!

----

Some time ago, we told you we would be running some stereo (3-D) photos. They are still going to be run, but other stories have taken priority for the moment. Patience!

My thanx to WB9FRF for his card in response to a query in this paper last month.

Is baseball REALLY the national pasttime? Nah!! Strikes are.

See ya next month!

-73 jim k9zz

## From FOXTALES

Legal action against G.L.A.R.A.?.....

In a suprise announcement today, GLARA and members of that organization - Mac (N9CXX), A.C. (WB9RBC), Jack (KB9WC) - have been named as defendants in an action filed in the U.S. District Court. The suit claims that on the morning of March 5, the defendants illegally evicted Ms. Mouse from her domicile causing great mental anguish for which she has had to seek treatment. The action further states that the defendants have, on a number of occasions, employed the use of chemical toxins and "hit" cats to eliminate her family's presence.

Ms. Mouse contends that her family has homesteaded the area of dispute for more than 350 years and that cause for "panem et circens" is justified. When the usual nest building materials (straw, hay and grasses) were not readily available Ms. Mouse made do with the material at hand (CDR wiring and insulation) to strengthen her home from the elements. The fact that their materials constituted a vital function is not an issue since, in the past, humans have regularly deposited items by her home to decay.

No court date has been set in the above action pending a response from the defendants.

## NEW 20 KHZ SPLIT WARS

(From GEARVAKf Bulletin, Spring, 1985)

The Ohio Repeater Owners and Operators Association (ORODA) has announced that it will erect physical barriers at the state line to prevent VHF and UHF signals from entering Ohio if the neighboring states of Indiana, Michigan, Kentucky, West Virginia, and Pennsylvania adopt the 20 KHz spacing band plan on two meters.

Ohio, which owns the rights to 15 and 30 KHz spacing, "does not intend to adopt the new band plan," said Arnie Fertz, president of ORODA.

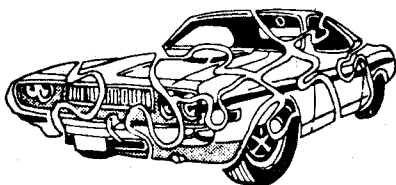
To combat the new band plan, ORODA "will do whatever is necessary to prevent unauthorized signals from entering Ohio," Fertz said. "If we have to string an aluminum mesh curtain completely around Ohio, we'll do it!" he exclaimed.

-WSYI

73, de bsss staff



# Badger State Boosters



## P & B AUTO PARTS

P. O. Box 190 133 WATER ST.  
BARABOO, WISCONSIN 53913



## RHYME SUPPLY INCORPORATED

122 EAST COOK STREET PORTAGE, WIS.

COMPLETE LINE OF OFFICE MACHINES - FURNITURE - COMPUTERS



TELEPHONE  
608-742-3747-5371

KEN HUTLER

## PIERCE'S Supper Club

LUNCHEONS • DINNERS  
Your Favorite Cocktail  
Private Rooms For  
Weddings • Parties  
Banquets • To 300 •  
Business Meetings

FOR RESERVATIONS

Call 356-5122

Bus. U.S. 12 • Circus City • BARABOO



Where the customer is the company

## BARABOO FARMERS UNION

### CO-OP

Feed, Seed, Fuels, Farm Supplies

BARABOO, WISCONSIN  
356-6636



The  
Performance  
Company

## TURNER'S Broadway Liquor Mart And Self-Serve

Beer • Liquor • Wine

GAS

805 Broadway

Baraboo, Wis. 53913

356-9488

## Baraboo Floral Company

1406 East Street

BARABOO, WISCONSIN 53913

FLOWERS FOR ALL OCCASIONS

BUY FROM A GROWER

We wire flowers almost everywhere

PHONE 356-5336 - WE DELIVER



## Giegerich's Sons Inc.

514 Park Avenue  
PRAIRIE DU SAC, WISCONSIN 53578

"Sauk Prairie's Quality Printers  
and House of Office Supplies"

## LEISURE WORLD

125 Fourth Street

KA9LUT

Baraboo, Wis. 53913

356-5280

BETA AND VHS MOVIE RENTALS

VIDEO CASSETTE RECORDERS

T. V.—RADIOS—COMPUTERS & SOFTWARE

T. V. & RADIO REPAIR

CAR STEREO SALES & INSTALLATION

## TROYER *Rexall* DRUGS

JACK D. TROYER, R.P.H. DAVID M. FUHS, R.P.H.

106 - 4th AVE. PHONE 356-4964

BARABOO, WISCONSIN

"Good Health Is Our Business"

WE MAINTAIN A COMPLETE RECORD OF ALL  
YOUR FAMILY'S PRESCRIPTION PURCHASES

# Badger State Boosters



PORTAGE, WI



AFFILIATED WITH



## THE ORIGINAL MIDWINTER SWAPFEST

WAUKESHA EXPOSITION CENTER  
HIGHWAYS F & FT  
WAUKESHA, WISCONSIN

WAARAC SWAPFEST  
P.O. Box 1072  
MILWAUKEE, WISCONSIN 53201



## Radio Shack

### VODAK TV SALES

COLOR TV - B & W TV  
TOP TUNES - RECORDS - LP - STEREO  
TV ANTENNA SYSTEMS - CB - SCANNERS

We Stock  
COMPUTERS  
VCR's

PHONE 356-6666

Antenna Wire and Insulators  
Coaxial Cable and Connectors  
Coaxial Adapters

404 Oak Street

BARABOO, Wis. 53913

We now sell & install Satellite TV systems

HAM IT UP EVERY SPRING

## MADISON SWAPFEST

DANE COUNTY EXPO CENTER  
FORUM BUILDING

Sponsored By MARA WB9AER

Box 3403 - Madison, Wis. 53704

## AMATEUR ELECTRONIC SUPPLY®

4828 W. Fond du Lac Avenue  
Milwaukee, WI 53216  
Phone: (414) 442-4200

Wisconsin WATS: 1-800-242-5195  
(Call TOLL FREE outside of Milwaukee Metro area)

HOURS: Mon. thru Fri. 9-5:30; Sat. 9-3

## SOUTH MILWAUKEE AMATEUR RADIO CLUB

### SWAPFEST

July 13, 1985  
(Held Every July)

American Legion Park  
Shepard Ave. Oak Creek, WI

South Milwaukee ARC  
P. O. Box 102  
South Milwaukee, WI 53172



SUPERMARKETS INC.

When in the Area Shop Our Baraboo, Portage  
North, Portage Downtown, Pardeeville and  
Fox Lake Wisconsin Stores.

SUPPORT YOUR LOCAL AMATEUR RADIO  
CLUB — JOIN TODAY!

## Riverland Electric Co.

Commercial - Residential - Industrial

KEN WEIGEL  
783-4967

W6465 Juline Way  
Onalaska, WI 54650

608-742-8345

Portage, WI 53901

SAM'S

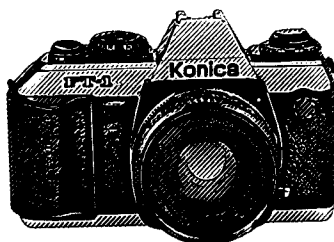
"Radio Shack"  
DEALER

THE BIGGEST NAME IN LITTLE COMPUTERS®

Wide Selection of Electronic Parts

Northridge Shopping Center

Hwy. 51 North



SCHERSCHEL  
CAMERA  
SHOP

EVERYTHING PHOTOGRAPHIC  
129 FOURTH ST. - BARABOO, WI 53913 - (608) 356-9165